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DECLARATION AND POWER OF ATTORNEY

COPY

We, the below named inventors, hereby declare that:

Our residences, post office addresses, and citizenships are as stated below next to our respective names.

We believe we are the original, first, and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **PROCESS FOR PRODUCING SEMICONDUCTOR ARTICLE USING GRADED EXPITAXIAL GROWTH** described in the application filed with the United States Patent and Trademark Office on August 10, 2001 as Serial No. 09/928,126, which claims priority under 35 USC §119(e) from United States Provisional Patent Application Serial No. 60/225,666, filed August 16, 2000.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

We acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

We hereby declare that all statements are made hereby of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And we hereby appoint:

Maurice E. Gauthier	- Reg. No. 20,798
I. Stephen Samuels	- Reg. No. 20,919
Richard L. Stevens	- Reg. No. 24,445
Matthew E. Connors	- Reg. No. 33,298
William E. Hilton	- Reg. No. 35,192
Patrick J. O'Shea	- Reg. No. 35,305
Arlene J. Powers	- Reg. No. 35,985
Richard L. Stevens, Jr.	- Reg. No. 44,357

all of the firm of Samuels, Gauthier & Stevens, our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

We request that all correspondence be directed to:

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PATENT
Attorney Docket No. ASC-025

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Cheng *et al.*

SERIAL NUMBER: 09/928,126

ART UNIT: 2813

FILING DATE: August 10, 2001

EXAMINER: Not yet assigned

TITLE: Process for Producing Semiconductor Article Using Graded
Expitaxial Growth

COPY

Commissioner for Patents
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
REVOCATION OF PRIOR POWERS AND NEW POWER OF ATTORNEY

As assignee of record of the entire interest of the above-identified application, all powers of attorney previously given are hereby revoked, and the following attorneys and/or agents are hereby appointed to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith.

Michael J. Bastian	Reg. No. 47,411	John D. Lanza	Reg. No. 40,060
Steven M. Bauer	Reg. No. 31,481	Kurt W. Lockwood	Reg. No. 40,704
Mark L. Beloborodov	Reg. No. 50,773	Bradley M. Marazas	Reg. No. P-51,997
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Robert S. Blasi	Reg. No. 50,389	Thomas C. Meyers	Reg. No. 36,989
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Douglas J. Kline	Reg. No. 35,574	Yin P. Zhang	Reg. No. 44,372

☐ Attached as part of this power of attorney is the authorization of the above-named attorneys/agents to accept and follow instructions from my representatives.

Assignee also hereby grants additional Powers of Attorney to the attorneys and/or agents named above to file and prosecute foreign national patent applications in any and all countries of the world, a regional patent application under the European Patent Convention and/or an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

All future correspondence should be sent to:

**Patent Administrator
Testa, Hurwitz & Thibeault, LLP
High Street Tower
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Boston, MA 02110**

Please change the attorney docket number from MIT9006 to ASC-025.

The assignee of record of the entire interest of the above-identified application is

***Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, MA 02139***

☒ Recorded in PTO on December 3, 2001
Reel No.: 012439
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☐ Recorded herewith

Respectfully submitted,

Dated: _____

8/5/02

By: _____

Rita M. Filipowicz

Rita M. Filipowicz

NAME

Patent Administrator

TITLE